

List of Pages and Lines Exempt from Disclosure

Task Order 15 – Task Order and Modifications		
Task Order 15 Modification 0001 Modification 0002 Modification 0003 Modification 0006	Estimated Costs Fixed Fee Amounts	Delete the values associated with the estimated costs and fixed fee amounts. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 15 - Cost Proposal		
Pages 1-4	All lines	Delete the values associated with the price, total contract amounts, pricing rates, hours, estimated costs and fixed fee amounts. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 15 - Task Management Plan		
Page 6 Appendix A Appendix B Appendix C	Lines 3-23 All Lines All Lines All Lines	These pages describe SAIC's technical approach for accomplishing the AIS project SOW. This approach is a result of

		SAIC's own creative knowledge and experience and is not publicly available. Release of this confidential information would cause substantial harm to SAIC's competitive posture on future procurements by allowing competitors to duplicate this technical approach to SAIC's detriment.
Page 5	Line 13	Delete the names of SAIC personnel. Release of the names of SAIC personnel would allow competitors the ability to contact these personnel for the purpose of pirating them away from SAIC, thereby harming our competitive position.

Task Order 15 - Work Breakdown Structure/GANTT		
(1) GANTT Task Order 15 – Mod 1	All Pages (2)	Delete SAIC's estimated hours for the described taskings. This deletion is essential to prevent a competitor from obtaining access to SAIC confidential pricing information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.
(2) WBS TO-15 Dated 10/26/05	All Pages (5)	
(3) GANTT TO-15	All Pages (4)	

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 16 Nov 2005	2. CONTRACT NO. (if any) QA133005CO1035	6. SHIP TO: WG953023	
3. ORDER NO. 15	4. REQUISITION/REFERENCE NO. NWWG9500-6-26128	a. NAME OF CONSIGNEE NATIONAL DATA BUOY CENTER	
5. ISSUING OFFICE Address correspondence to: WG953023 NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382		b. STREET ADDRESS RESOURCES BRANCH /W/OPS53 BUILDING 1100	
7. TO: 00004157 TIN: 953630868		c. CITY STENNIS SPACE CENTER	d. STATE MS
		e. ZIP CODE 39529-6000	
		f. SHIP VIA	
8. TYPE OF ORDER			

a. Name of Contractor SAIC	DUNS: 148095086	<input type="checkbox"/> a. PURCHASE	<input checked="" type="checkbox"/> b. DELIVERY
b. Company Name SCIENCE APPLICATIONS INTERNATIONAL CORPORATION		REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. Street Address 10260 CAMPUS POINT DRIVE MAIL STOP G2		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. City SAN DIEGO	e. State CA	f. Zip 921211578	

9. ACCOUNTING AND APPROPRIATION See Attached Schedule	BOC:	OBLIGATED AMT: \$247,960.98	10. REQUISITIONING OFFICE WG953023
--	------	-----------------------------	---------------------------------------

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☐ a. SMALL ☒ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED

12. F.O.B. POINT DESTINATION	14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE 31 Mar 2007	16. DISCOUNT TERMS 00.00% 0 Days Net 30
13. PLACE OF a. INSPECTION b. ACCEPTANCE			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
	SEE SCHEDULE					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:			
a. NAME NATIONAL DATA BUOY CENTER			US\$ 247,960.98
b. STREET ADDRESS (or P.O. Box) RESOURCES BRANCH /W/OPS53 BUILDING 1100			
c. CITY STENNIS SPACE CENTER	d. STATE MS	e. ZIP CODE 39529-6000	

2. UNITED STATES OF AMERICA BY (Signature) *[Signature]* 11/16/05

23. NAME (Typed)
TIMOTHY D. BLACK 228-688-2382
(TITLE CONTRACTING/ORDERING OFFICER)

AUTHORIZED FOR LOCAL REPRODUCTION

previous edition not usable

OPTIONAL FORM 347 (REV. 6/95)

Prescribed by GSA/FAR 48 CFR 53.213(e)

ORDER FOR SUPPLIES OR SERVICES - Continuation

PAGE

OF PAGES

2

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER

CONTRACT NO. (if any)

ORDER NO.

16 Nov 2005

QA133005CQ1035

0015

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with the Task Management Plan (TMP). The performance period for this task order is 11/15/2005-03/31/2007.</p> <p>The fixed fee for this effort is [REDACTED]</p> <p>CPFF</p> <p>Accounting and Appropriation Data: 14.06.4RM1JUGPMM07040102000.20060000 95000000.25130000 \$ 247,960.98</p>	1	JB	247,960.98	247,960.98	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page
1 of Pages
3

2. Amendment/Modification No.

0001

3. Effective Date

Sep 18, 2006

4. Requisition/Purchase Req. No.

NWWG9500-6-29791

5. Project No. (if applicable)

6. Issued By

NATIONAL DATA BUOY CENTER

RESOURCES BRANCH /W/OPS53

BUILDING 1100

STENNIS SPACE CENTER, MS 39529-6000

AMANDA M. CAREY 228-688-1705

Code WG953023

7. Administered By (If other than Item 6)

SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157

10260 CAMPUS POINT DRIVE DUNS: 148095086

MAIL STOP G2

SAN DIEGO CA 921211578

CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0015

10B. Date (See Item 13)

Nov 16, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 108,996.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

C. This supplemental agreement is entered into pursuant to authority of:

X

D. Other (Specify type of modification and authority)

FAR 52.232-22 LIMITATION OF CLAUSES

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The funded value for CLIN 0001 has been increased from \$247,960.98 to \$348,735.98, a net increase of \$100,775.00. As a result, the contract value has increased from \$247,960.98 to \$356,956.98, a net increase of \$108,996.00. Page 3 has been provided as a reference of the change in the value and period of performance from 03/31/2007 to 09/30/2007. In addition, a revised Task Management Plan has been provided to replace the original.

2. Obligate the following accounting and appropriations:

14064RM1JUGP0007040102000200600009500000025130000 \$100,775.00

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

16A. Name and title of Contracting Officer (Type or Print)

KURT C. WEILBAECHER

228-688-2825

Contracting Officer

kurt.weilbaecher@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

(Signature of Contracting Officer)

Sep 20, 2006

REQUISITION FOR SUPPLIES/SERVICES

REQ. DATE PAGE OF
Sep 18, 2006 1 2

1. REQUISITION NO. NWWG9500-6-29791	2. PRIORITY 99	3. AMOUNT 100,775.00	4. DELIVERY DATE Sep 30, 2007	5. FUNDS AVAILABLE <input checked="" type="checkbox"/> Funds Available <input type="checkbox"/> SAF	
6. CONTACT (Name and Phone) AMANDA M. CAREY 228-688-1705		7. AUTHORIZED BY		8. CONTRACT/IDC NO.	
9. PURCHASE FOR NATIONAL DATA BUOY CENTER W/OPS5/NWS BLDG 1100 ROOM 344		WG950023	10. DEPT NWS	11. FUND	12. PROJECT
STENNIS SPACE CENTER, MS 39529-6000			13. FSC R499		
15a. DELIVER TO NATIONAL DATA BUOY CENTER ATTN: PROPERTY OFFICER BUILDING 3204 STENNIS SPACE CENTER, MS 39529-6000		WG950123	14. ACCOUNTING AND APPROPRIATION DATA		
15b. SUPPLEMENTAL ADDRESS		16. FUND CERTIFYING OFFICIAL			
18. PURPOSE X		17. VENDOR			

ITEM OR FORM NO. (19)	DESCRIPTION (20)	QUANTITY (21)	UNIT (22)	UNIT PRICE (23)	AMOUNT (24)
0001	XXX Accounting and Appropriation Data: 14.05.C8M4JDB.PAB.31.040602001.2006000095 020000.26190000 \$ 100,775.00	1	JB	100,775.00	100,775.00

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount												
	SEE SCHEDULE																
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with the Task Management Plan (TMP). The performance period for this task order is 11/15/2005 - 09/30/2007.</p> <p>The maximum fee is [REDACTED] and the minimum fee is [REDACTED]</p> <p>COST PLUS FIXED FEE</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <table><tr><td></td><td>Contract Value</td><td>Funded Value</td></tr><tr><td>Original</td><td>\$247,960.98</td><td>\$247,960.98</td></tr><tr><td>Current</td><td>108,996.00</td><td>100,775.00</td></tr><tr><td>Final</td><td>\$356,956.98</td><td>\$348,735.98</td></tr></table> <p>Accounting and Appropriation Data: 14.06.4RM1JUG.P00.07.040102000.20060000950 00000.25130000 US\$ 100,775.00 14.06.4RM1JUG.PMM.07.040102000.2006000095 000000.25130000 US\$ 247,960.98</p>		Contract Value	Funded Value	Original	\$247,960.98	\$247,960.98	Current	108,996.00	100,775.00	Final	\$356,956.98	\$348,735.98	1	JB	356,956.98	356,956.98
	Contract Value	Funded Value															
Original	\$247,960.98	\$247,960.98															
Current	108,996.00	100,775.00															
Final	\$356,956.98	\$348,735.98															

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1 of Pages 2
2. Amendment/Modification No. 0002	3. Effective Date Sep 26, 2006	4. Requisition/Purchase Req. No. NWWG9503-6-ADM05	5. Project No. (if applicable)	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. CAREY 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578			(X)	9A. Amendment of Solicitation No.
Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1				9B. Date (See Item 11)
			X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0015
				10B. Date (See Item 13) Nov 16, 2005
Code		Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US 0.00

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input type="checkbox"/>	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
X	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
	C. This supplemental agreement is entered into pursuant to authority of:
	D. Other (Specify type of modification and authority)
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.	

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Administrative modification to add/remove the following accounting and appropriations:

14064RM1JUGP0007040102000200600009500000025130000 (\$100,775.00)
 14064RM1JUGPM07040102000200600009500000025130000 \$100,775.00

2. All else remains the same. No value has changed.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)		16A. Name and title of Contracting Officer (Type or Print) KURT C. WEILBAECHER 228-688-2825 Contracting Officer kurt.weilbaecher@noaa.gov	
15B. Contractor/Officer	15C. Date Signed	16B. United States of America <i>Kurt C. Weilbaeche</i> (Signature of Contracting Officer)	16C. Date Signed 9/26/06
(Signature of person authorized to sign)			

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount												
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with the Task Management Plan (TMP). The performance period for this task order is 11/15/2005 - 09/30/2007.</p> <p>The maximum fee is [REDACTED] and the minimum fee is [REDACTED]</p> <p>COST PLUS FIXED FEE</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <table><tr><td></td><td>Contract Value</td><td>Funded Value</td></tr><tr><td>Original</td><td>\$356,956.98</td><td>\$348,735.98</td></tr><tr><td>Current</td><td>\$0.00</td><td>\$0.00</td></tr><tr><td>Final</td><td>\$356,956.98</td><td>\$348,735.98</td></tr></table> <p>Accounting and Appropriation Data: 14.06.4RM1JUG.PMM.07.040102000.2006000095 000000.25130000 US\$ 348,735.98</p>		Contract Value	Funded Value	Original	\$356,956.98	\$348,735.98	Current	\$0.00	\$0.00	Final	\$356,956.98	\$348,735.98	1	JB	356,956.98	356,956.98
	Contract Value	Funded Value															
Original	\$356,956.98	\$348,735.98															
Current	\$0.00	\$0.00															
Final	\$356,956.98	\$348,735.98															

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0003	3. Effective Date Jun 8, 2007	4. Requisition/Purchase Req. No.	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. CAREY 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157 10260 CAMPUS POINT DRIVE DUNS: 148095086 MAIL STOP G2 SAN DIEGO CA 921211578 CAGE: 0T5L1		(X)	9A. Amendment of Solicitation No.
			9B. Date (See Item 11)
		X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0015
			10B. Date (See Item 13) Nov 16, 2005
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
<input type="checkbox"/>	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
<input type="checkbox"/>	C. This supplemental agreement is entered into pursuant to authority of:
X	D. Other (Specify type of modification and authority) FAR 52.243-2 CHANGES - COST REIMBURSEMENT
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.	

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

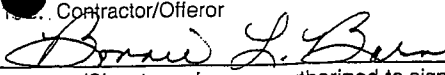
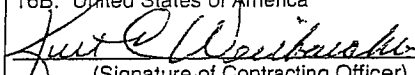
1. The purpose of this modification is to:

- Change TMP 15, modification 1, version 1 in order to accommodate the additional work required. As a result of his change, TMP 15, modification 3, draft 2, dated 05/25/07, is hereby incorporated into this Task Order.
- The above change constitutes additional value in the amount of \$70,512.67 on CLIN 0001. Therefore, CLIN 0001 is hereby changed from \$356,956.98, to \$427,469.65, reflecting an increase of \$70,512.67.

2. The above changes constitute a new Task Order funded value of \$427,469.65.

3. No other changes are made at this time. All other terms and conditions remain unchanged and in full effect.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Bonnie Barnum CONTRACTS REPRESENTATIVE	16A. Name and title of Contracting Officer (Type or Print) KURT C. WEILBAECHER Contracting Officer 228-688-2825 kurt.weilbaecher@noaa.gov
15B. Contractor/Officer  (Signature of person authorized to sign)	16B. United States of America  (Signature of Contracting Officer)
15C. Date Signed 6/15/07	16C. Date Signed Jun 11, 2007

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with modification 3, Draft 2, dated 05/25/07, of the Task Management Plan (TMP). The performance period for this task order is 11/15/2005 - 02/29/2008.</p> <p>The maximum fee is [REDACTED] and the minimum fee is [REDACTED].</p> <p>COST PLUS FIXED FEE</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p>	1	JB	427,469.96	427,469.96

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 32. Amendment/Modification No.
0004
3. Effective Date
Feb 26, 2008
4. Requisition/Purchase Req. No.
NWWG9502-8-32776
5. Project No. (if applicable)6. Issued By
NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPS53
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
KURT C.WEILBAECHER 228-688-2825
Code WG9530237. Administered By (If other than Item 6)
SEE BLOCK 6
Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1

(X) 9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.
QA1330-05-CQ-1035 001510B. Date (See Item 13)
Nov 16, 2005

Code Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 27,374.03

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (X) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
- B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
- C. This supplemental agreement is entered into pursuant to authority of:
- X D. Other (Specify type of modification and authority)
FAR 52.243-2 CHANGES - COST-REIMBURSEMENT

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incrementally fund CLIN 0001, incorporate a revised TMP and extend the period of performance on CLIN 0001.

The funded value of CLIN 0001 is hereby changed from \$348,735.98 to read \$376,110.32, reflecting an increase of \$27,374.34.

1408F8M6J11PK40083040406001200600009502000025130000000000

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

1A. Name and Title of Signer (Type or Print)

BONNIE BARNUM
CONTRACTS REPRESENTATIVE

16A. Name and title of Contracting Officer (Type or Print)

KURT C.WEILBAECHER 228-688-2825
Contracting Officer
kurt.weilbaecher@noaa.gov

Contractor/Officer

15C. Date Signed

2/26/08

16B. United States of America

16C. Date Signed

Feb 26, 2008

(Signature of person authorized to sign)

(Signature of Contracting Officer)

N 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

EVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

- b. Change TMP 15, modification 3, dated 05/27/2007, in order to accommodate AMPS redesign efforts. As a result of this change, TMP 15, Change 1, Version 3, dated 02/20/2008, is hereby incorporated into this Task Order.
 - c. Change the period of performance of CLIN 0001 from "02/29/2008" to read "09/30/2008".
2. The above changes constitute a new task order funded value of \$376,110.32.
 3. No other changes made at this time. All other terms and conditions remain unchanged and in full effect.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with the attached Task Management Plan (TMP). The performance period for this task order is 11/15/2005 - 09/30/2008</p> <p>COST PLUS FIXED FEE</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>Accounting and Appropriation Data: 14.08.F8M6J11.PK4.0083.040406001.2006000095 020000.25130000.000000 US\$ 27,374.34 14.06.4RM1JUG.PMM.0007.040102000.20060000 95000000.25130000.000000 US\$ 348,735.98 DELIVERY DATE: 09/30/2008 SHIP TO: NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 FOB: Destination</p>	1	JB	376,110.32	376,110.32

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page of Pages

1

2

2. Amendment/Modification No.

0006

3. Effective Date

Apr 29, 2008

4. Requisition/Purchase Req. No.

NWWG9502-8-38140

5. Project No. (If applicable)

6. Issued By

Code WG953023

7. Administered By (If other than Item 6)

Code

SEE BLOCK 6

NATIONAL DATA BUOY CENTER

RESOURCES BRANCH /W/OPSS53

BUILDING 1100

STENNIS SPACE CENTER, MS 39529-6000

KURT C.WEILBAECHER 228-688-2825

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157

10260 CAMPUS POINT DRIVE DUNS: 148095086

MAIL STOP G2

SAN DIEGO CA 921211578

CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0015

10B. Date (See Item 13)

Nov 16, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

☒ A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

X C. This supplemental agreement is entered into pursuant to authority of:
FAR 52.243-2 CHANGES COST-REIMBURSEMENT

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to change the extended amount and add the negotiated value and Maximum fee amount to the line item description of CLIN 0001.

a. The extended amount of CLIN 0001 is changed from \$454,843.99 to read \$376,110.32.

b. Add the following language to CLIN 0001: The negotiated value of this CLIN is \$427,469.65 and the maximum fee is [REDACTED]

2. This is a no cost modification and there is no change to the total funded amount of the order.

3. All other terms and conditions remain unchanged and in full effect.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

BONNIE BARNUM
CONTRACTS REPRESENTATIVE

16A. Name and title of Contracting Officer (Type or Print)

KURT C.WEILBAECHER 228-688-2825

Contracting Officer

kurt.weilbaecher@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

4/30/08

(Signature of Contracting Officer)

Apr 29, 2008

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0001	<p>TASK ORDER 06-TOS-15 - ENGINEERING DESIGN, TESTING, AND DQA SUPPORT FOR THE AUTOMATIC IDENTIFICATION SYSTEM (AIS) FOR DEEP OCEAN BUOYS</p> <p>Provide all labor and materials to accomplish engineering design, testing, field support, and data quality monitoring for the AIS System in accordance with the attached Task Management Plan (TMP). The performance period for this task order is 11/15/2005 - 09/30/2008</p> <p>The Negotiated value of this CLIN is \$427,469.65 and the maximum fee is [REDACTED]</p> <p>COST PLUS FIXED FEE</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>Accounting and Appropriation Data: 14.08.F8M6J11.PK4.0083.040406001.2006000095 020000.25130000.000000 US\$ 27,374.34 14.06.4RM1JUG.PMM.0007.040102000.20060000 95000000.25130000.000000 US\$ 348,735.98 DELIVERY DATE: 09/30/2008 SHIP TO: NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 FOB: Destination</p>	1	JB	376,110.32	376,110.32

Task Order Statement 06-TOS-15

Title of Task Order:	Engineering Design, Testing, and DQA support for the Automatic Identification System (AIS) for Deep Ocean Buoys
NDBC Branch:	Program Planning & Integration
Performance Period:	1 October 2005 – 31 March 2007
Task Order Type: (FFP or CPFF)	CPFF
Purpose: (How this TO relates to NDBC's Mission or What Problem needs to be solved)	To provide engineering design, testing, field support, and data quality monitoring for extended testing of buoy-based AIS monitoring systems. Provides for extended testing of the existing AIS system for buoys and implements interfacing the AIS system to NDBC payloads for alternate environmental data transmission path.
Background:	Under an existing agreement between the National Data Buoy Center and the U.S. Coast Guard Nationwide Automatic Identification System Project Office (G-AIS), G-AIS has requested modifications to and extended testing of an existing AIS monitoring system for buoys be performed on four NDBC deep ocean buoys. Extended operational testing is expected to be performed over minimum 12 month period.
Scope of Effort:	<p>The scope of this task order is:</p> <ul style="list-style-type: none"> • Complete engineering design and testing required for modification of an existing AIS monitoring system for buoys and associated shore-side data processing system that will allow continuous AIS receiver monitoring from NDBC deep ocean buoys by March 31, 2006. • Provide installation, field operational testing, and long-term data monitoring and DQA of four systems on four NDBC deep ocean buoy platforms over a minimum 12 month period beginning March 31, 2006 after completion of engineering design. • Provide field support as required repair and maintenance of the four systems over the 12 month field testing period. <p>The purpose of this project is to develop a fully integrated AIS receiver system capability on NDBC deep ocean buoys and to conduct extended operational testing of this system. This effort is expected to produce a prototype, first article production AIS-capable</p>

	<p>buoy platform, as a potential component of the National AIS Project's long-range AIS coverage. The effort will directly support potential future full-scale deployment and operation of AIS-capable, deep-ocean buoys. A summary of the development and extended testing requirements follows:</p> <ol style="list-style-type: none"> a. The AIS receiver shall remain powered on continuously in order maximize coverage time of the receiver and the AIS control unit shall receive and process all AIS data from the AIS receiver on a continuous, 24/7 basis, transmitting these data in near real-time to NDBC through the IRIDIUM satellite system. b. The AIS receiver shall be connected to the buoy rechargeable power supply to allow monitoring of vessel traffic on a continuing, extended basis. c. The system shall be installed on a deep ocean buoy at least 40 nautical miles or more from landmasses to provide additional data on potential AIS receiver range in the low noise RF environment of the buoy platform. d. Interface the AIS Control Unit to the NDBC payload to provide two-way communications environmental data reporting through the AIS Control Unit and IRIDIUM, as well as system performance data from the AIS system or NDBC payload.
Tasks:	<ol style="list-style-type: none"> 1. Procure a reduced power consumption version of the SL161R AIS receiver providing external GPS receiver power command and control. 2. Modify existing AIS system electronic hardware to correct any design flaws identified in the prototype system and fabricate 6 systems, 4 to be installed on buoys and 2 for spare systems. 3. Modify existing AIS Control Unit and AIS system hardware and firmware to: <ol style="list-style-type: none"> a. Support the reduced power consumption version of the SL161R AIS receiver.

b. Implement external control of the AIS receiver's embedded GPS receiver to allow further reductions in power consumption of the AIS receiver.

c. Implement AIS Control Unit mode for continuous operation of the AIS receiver, with existing IRIDIUM reporting options of at least four reports per hour with options for more frequent IRIDIUM reports per hour, up to the maximum number practical under expected operating scenarios. Continuous operation of the AIS receiver means all AIS data is received and processed by the AIS Control Unit without loss of any AIS data transmitted serially from the AIS receiver to the AIS Control unit on a 24/7 basis.

d. Implement AIS Control Unit firmware modifications to support interconnection to the NDBC meteorological and oceanographic payload through the existing ACU serial port designed for this purpose and ARES test set port for transmission of payload environmental data through IRIDIUM embedded with AIS data sets, retrieve payload data through this serial port, and embed and transmit this message with AIS data to NDBC real-time system through IRIDIUM.

e. Implement AIS Control Unit firmware modifications to support remote configuration and control of the ACU and the NDBC payload through the ACU IRIDIUM transceiver either through Short Burst Mode. Implement ACU serial pass-through to the NDBC payload for NDBC-originated calls via IRIDIUM Circuit Switched mode to allow direct connection via IRIDIUM to existing payload serial test and configuration interface to allow full access to all payload test, configuration, and monitoring menus available at the payload test set port.

f. Design modifications to the existing ACU to integrate the AIS system to the buoy power system for prime power.

g. Modification of the existing AIS VHF antenna mount to allow for an antenna mount design that prevents the possibility of damage to the AIS VHF antenna during buoy deployments from typical Coast Guard or contract vessels used to deploy NDBC buoys.

h. Increase buoy system power capacity if required based on task 4 below for each of the four stations chosen for deployment.

i. Implement firmware for support of ACU memory expansion and access if required and test.

	<p>4. Conduct a thorough power budget analysis of the modified AIS system to determine power requirements for the system in most probable operating modes and provide these data as expected power consumption in current and Amp-hours/day for each scenario with supporting data.</p> <p>5. Correct all identified script and process errors and anomalies identified in the AIS shore-side processing and data management system.</p> <p>6. Provide DQA support for test and evaluation during developmental phase of ACU modifications described in task 3 above.</p> <p>7. Provide data monitoring, system monitoring, and data quality assurance on an on-going basis for the system design and development period and for an operational testing period of a minimum of 12 months.</p>
Assumptions/ Constraints (Security, Safety, Accessibility, etc...)	<p>1. The engineering design and development effort assumes that the existing AIS system hardware, firmware, and shore-side software and documentation developed under previous IWRs will be used as a starting point and that physical enclosures and mount designs will be re-used, with the exception of the VHF antenna mounts.</p> <p>2. ACU will interface to an ARES payload through the ARES test set port, and use existing ARES test set port test and serial command interfaces for payload communication, re-using existing software to the extent possible, and re-using similar code developed for WAMDAS and other applications for IRIDIUM-to-payload interfaces to the extent possible.</p> <p>3. The US Coast Guard will provide deployment and service ships, boats, and/or aircraft as appropriate, and the four systems to be deployed will be deployed on NDBC buoys currently scheduled for exchange in the FY 2006 period, but not prior to March 2006.</p> <p>4. Service visit costs for initial installation and ground truth testing of the AIS system will be estimated on a pro rata share of the total cost of the scheduled exchange field service costs for a scheduled buoy exchange. Repair visit costs solely for AIS system repair or maintenance will be estimated as full cost to service the AIS system if no other NDBC sensors or systems require repair on the buoy or will be estimated on a pro rata share basis otherwise.</p>

	<p>5. Existing US Coast Guard software and Java Client for transmission of AIS data from NDBC to the US Coast Guard Research & Development Center will be used for data transfer to the US Coast Guard. Any modifications or updates to US Coast Guard supplied software will be performed by US Coast Guard R&D Center Contractors and is not within the scope of this Task Order. Coordination with US Coast Guard R & D Center personnel will be required for performance of this task order.</p>
Deliverables:	<p>1. Draft Project Plan to include an event-based, Integrated Master Schedule (IMS), a deliverable-oriented Work Breakdown Structure (WBS), WBS Dictionary, and a sample Earned Value Management Data report within 10 business days of award of Task Order</p> <p>2. Preliminary Design Review with Level B documentation and drawings for the modified AIS system not later than 6 weeks after award of Task Order.</p> <p>3. Critical Design Review with Level A design and design documentation for the modified AIS system not later than 10 weeks after award of Task Order.</p> <p>4. Monthly progress reports delivered to NDBC electronically by the 7th business day of the month following the month work was performed. The progress report shall include, at a minimum, a summary of the work performed in support of this task order for the given month, schedule concerns and other concerns and recommendations, any travel conducted for each period covered by the report, percent work complete against the Integrated Master Schedule per WBS, actuals per the WBS, and an Earned Value Management Data report.</p> <p>5. Test plan for extended field operational certification testing for a deployment period from 1 April 2006 to 31 March 2007.</p> <p>6. Interim system test and performance report, not later than August 30, 2006.</p> <p>7. Final system field test and performance report not later than February 28, 2007.</p> <p>8. Design documentation and drawings in accordance with NDBC-7007 in both hardcopy and electronic format. Documentation shall include all electronic files and hardcopy documents required for complete fabrication of an AIS system, including Gerber files for</p>

	<p>circuit board fabrication, firmware and software source code and executable code, firmware executable files for downloading to embedded systems, and any other electronic design files required for fabrication. All electronic documents shall be provided on CD-ROM with two copies of each CD-ROM required.</p> <p>9. Bi-weekly performance reports which summarize both actual and budgeted cost, schedule, performance information with earned value management (EVM) data, and a presentation of the results of the earned value analysis.</p>
Security:	Work performed under this Task Order will be at the UNCLASSIFIED and For Official Use Only (FOUO) levels.
Identification of Possible Conflict of Interest:	The contractor shall identify any possible conflict of interest (COI) as defined in Subpart 9.5 of the Federal Acquisition Regulation (FAR). If there is a COI, the contractor must inform NDBC and provide a COI Avoidance Plan that identifies how the COI is to be mitigated. This COI avoidance plan shall be provided to the project sponsor, US Coast Guard, G-AIS, by NDBC.
GFE/GFI:	GFE/GFI is available to support this effort. GFE/GFI lists can be found by referring to Section J of the contract. The Government requests your technical proposal state whether you intend to utilize the available GFE/GFI. Your cost proposal shall reference whether you will use GFE/GFI and the cost impact of that decision.
Program Objectives/ Possible Performance Measures:	The Government requires this task order have performance-based measures that align with the Statement of Objectives and Program Goals contained in this solicitation. The contractor is required to provide a list of proposed measures for this task order with goals for level of service and the outcomes for achieving/not achieving those goals.
Inspection/Acceptance:	Final inspection and acceptance of all work performed, reports generated, and other deliverables will be conducted by the COTR or other designee.
Travel:	Travel is required to support this task order. The contractor shall provide cost estimates for all travel in the cost proposal and the travel expenses must comply with the Federal Travel Regulations.

<p>Required information and/or submittals to be included in the required Task Management Plan (TMP):</p>	<ol style="list-style-type: none"> 1. An Approach and Management Plan for engineering and DQA tasks identified in this task order as follows. 2. A Task Management Plan to include: <ol style="list-style-type: none"> a. An event-based, Integrated Master Schedule (IMS) b. A deliverable-oriented Work Breakdown Structure (WBS) c. A WBS Dictionary. d. An Earned Value Management Data report sample for Government review and comment within 10 business days following award of this task order. e. Performance Specifications and Metrics f. Cost, Schedule, and Performance Metrics. 3. Task Order Cost Proposal
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Document Number:	TMP-15
Version Number:	3
Issue Date:	5/25/2007

Technical Management Plan

Title: TOS-15 Engineering Design, Testing, and DQA Support for AIS for Deep Ocean Buoys and Engineering Design and Testing of a prototype Automatic Identification System (AIS) for Transmission of Environmental Data by Binary Broadcast

ORIGINATOR:

Date Signed:

6/25/07

TASK ORDER MANAGER:

Date Signed:

6/25/2007

PROGRAM MANAGER:

Date Signed:

6/25/2007



Document Number:	TMP-15
Version Number:	3 – Change 2
Issue Date:	4/15/2008

TECHNICAL MANAGEMENT PLAN

CHANGE PAGE

[illegible]

	Document Number:	TMP-15
	Version Number:	3
	Issue Date:	5/25/2007

PERIOD OF PERFORMANCE: Date of Award to February 29, 2008

TO TYPE: Cost Plus Fixed Fee (CPFF)

1 Scope

This revision to the TMP provides for fabrication and testing of AMPS boards and procurement, installation, and testing of Sparton compasses to allow NDBC to achieve full support of ConWxB measurements on NDBC NOOSS platforms.

2 Technical/Management Approach

2.1 Statement of Work

2.1.1 Task 1 - AMPS Board Fabrication

The AMPS board fabrication task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support

2.1.1.1 Fabricate and test 60 AMPS Analog Boards

The sixty AMPS Analog Boards will be fabricated using the final tested and approved design generated under TO-6. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.2 Fabricate and test 28 AMPS Analog Board 0 Identity Modules

The 28 Board 0 Identity Modules will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.3 Fabricate and test 16 AMPS Analog Board 1 Identity Modules

The 16 Board 1 Identity Modules will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow AMPS Green-Tag Procedures generated under TO-6.

2.1.1.4 Fabricate and test 16 AMPS Analog Board 2 Identity Modules

The 16 Board 2 Identity Modules will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow AMPS Green-Tag Procedures generated under TO-6.

2.1.1.5 Fabricate and test 28 AMPS Patch Panel Boards

The 28 Patch Panel Boards will be fabricated based on the final tested and approved design generated under TO-6. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.6 Fabricate and test 28 AMPS Power Boards

The 28 Power Boards will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.7 Fabricate and test 28 AMPS Communications Boards

The 28 Communications Boards will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.8 Fabricate and test 28 AMPS Main Controller Boards

The 28 Main Controller Boards will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board

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types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.9 Fabricate and test 16 AMPS Serial Boards

The 16 Serial Boards will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow AMPS Green-Tag Procedures generated under TO-6.

2.1.1.10 Fabricate and test 420 AMPS Stacker Boards

The 420 Stacker Boards will be fabricated based on the final previously delivered design. Testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow and TAO AMPS Green-Tag Procedures generated under TO-6.

2.1.1.11 Assemble and test 16 Yellow AMPS Units


The 16 Yellow AMPS units will be fabricated using the boards generated under this task as well as GFE enclosure and hardware delivered from previously delivered with the first batch of AMPS units. They will be tested using the Yellow Green-Tag procedure generated under TO-6.

2.1.1.12 Assemble and test 12 TAO AMPS Board Stacks

The 12 TAO AMPS board stacks will be fabricated using the boards generated under this task. Since the board stacks themselves do not have a Green-Tag procedure, the board stacks will be tested inside of a Yellow Enclosure and then removed. Then they will be ready to be installed in the TAO enclosure and tested. If the updated TAO enclosure is available the testing will be performed there. They will be tested using the Yellow and TAO Green-Tag Procedures generated under TO-6.

2.1.2 Task 2 - AMPS External Compass Daughter Board Fabrication

The AMPS external compass daughter board fabrication task will be broken into the following subtasks.

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2.1.2.1 Fabricate 32 AMPS External Compass Daughter Boards

The 32 External Compass Daughter Boards will be fabricated based on the original previously delivered specifications.

2.1.2.2 Install and Test 32 AMPS External Compass Daughter Boards

Installation and testing will be performed in conjunction with other board types generated under this task as full system units using the Yellow AMPS Green-Tag Procedures generated under TO-6.

2.1.3 Task 3 – AMPS Sparton Compass Procurement and Installation

The AMPS Sparton compass procurement and installation task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support.

2.1.3.1 Procure 12 Sparton Compasses

Sparton compasses will be purchased and entered into configuration control as required.

2.1.3.2 Develop/Verify Sparton Compass Configuration Procedure

Current setup procedure will be reviewed and modified as needed to insure that all newly acquired Sparton compasses under this Task Order as well as any future acquisitions can be configured for NDBC system use.

2.1.3.3 Install and Test 12 Sparton Compasses

The Sparton Compasses will be installed on twelve of the AMPS Analog Boards generated under this task. Testing will be performed in conjunction with other board types generated under this task as full system units using the TAO AMPS Green-Tag Procedures generated under TO-6.

 SAIC <i>From Science to Solutions™</i> Science Applications International Corporation	Document Number:	TMP-15
	Version Number:	3
	Issue Date:	5/25/2007

3 Implementation Plan

3.1 *Work Breakdown Structure*

See Appendix A for the work breakdown structure.

3.2 *Schedule*

See Appendix B for the schedule.

3.3 *Performance Specification and Metrics*

See Appendix C for the Performance Specification and Metrics Table.

4 Key Staff



5 Deliverables/Activities

See Appendix D for the Deliverables/Submittals Table.

6 Assumptions and/or Deviations

6.1 Assumptions:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

7 Cost Proposal

See attached cost proposal.

8 Payment Terms

Invoices shall be submitted upon completion of each SAIC accounting period. This consists of 13 equal payments over the 1 year of performance. Payment shall be made within 30 days.



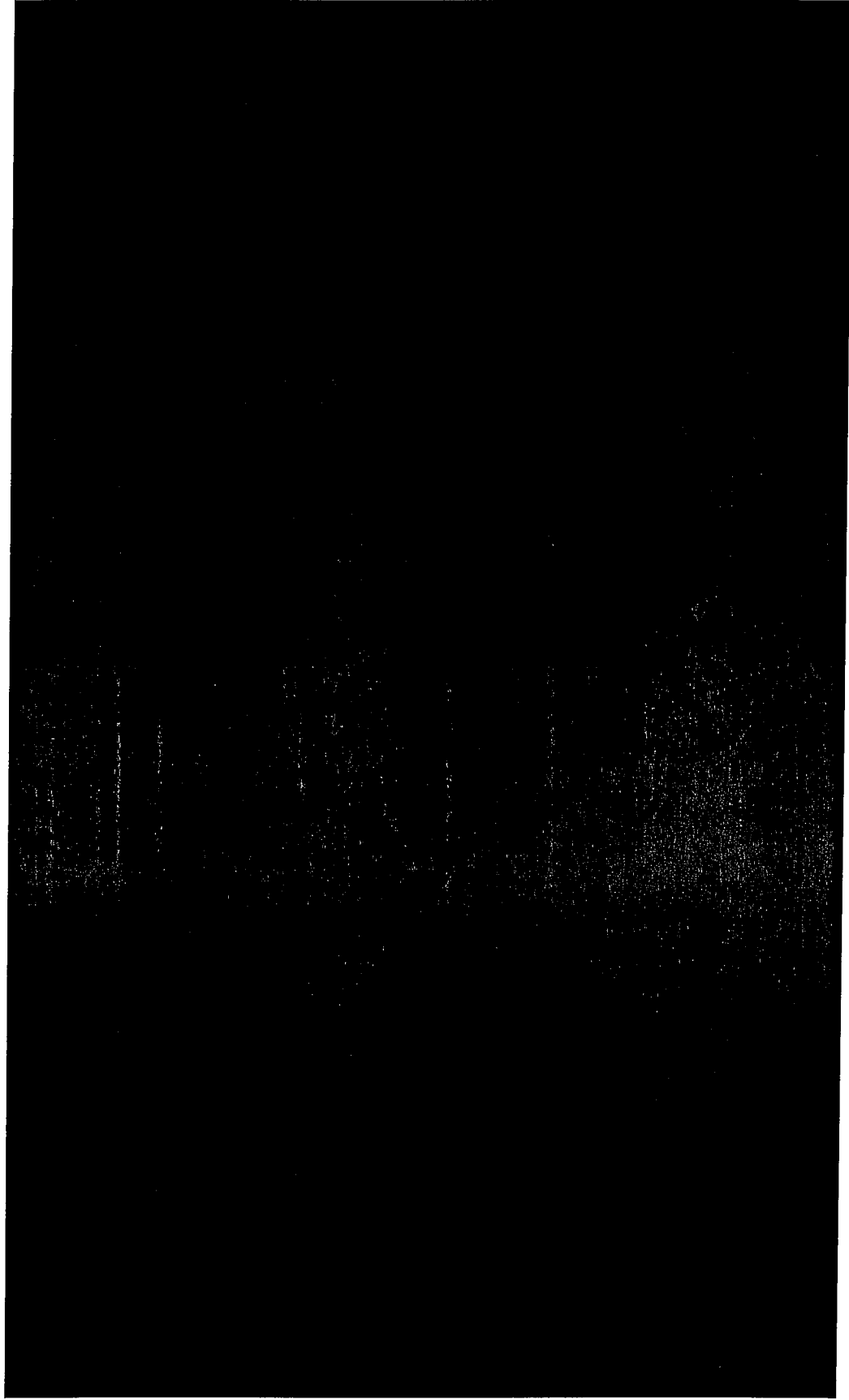
From Science to Solutions™

Science Applications

International Corporation

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APPENDIX A – WORK BREAKDOWN STRUCTURE

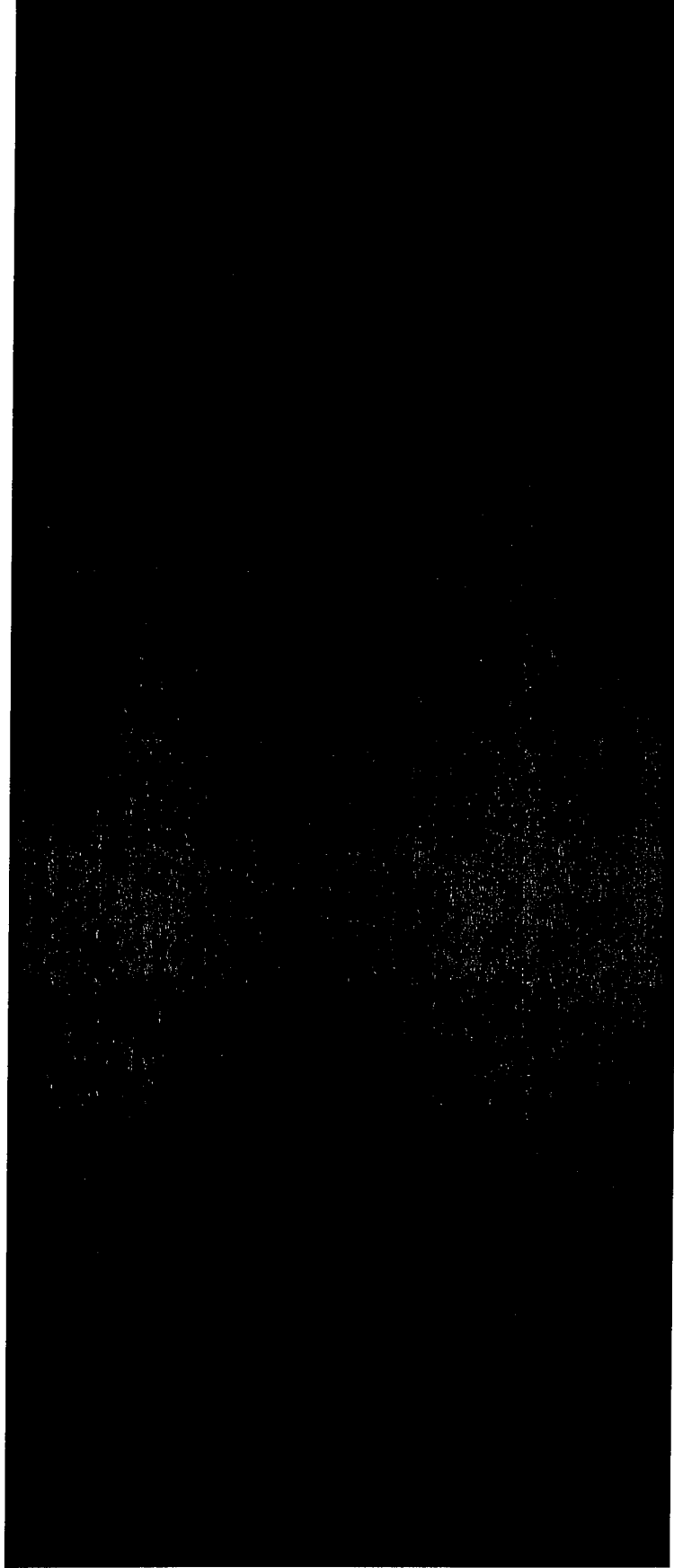




**Science Applications
International Corporation**

Document Number:	TMP-15
Version Number:	3
Issue Date:	5/25/2007

APPENDIX B - SCHEDULE



APPENDIX C – PERFORMANCE SPECIFICATION AND METRICS



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APPENDIX D – DELIVERABLES/SUBMITTALS

A WBS and Gantt chart for this revision are attached. The Gantt chart shows an overall estimate of the schedule and was used to develop the cost estimate. The deliverable table below provides specific dates for specific deliverables.

Deliverables/Submittals		Due Date	Acceptance Criteria
AMPS Board Fabrication		TMP Approval Plus	
Task 1 Deliverable 1	Sixty (60) Functionally Tested Analog Boards	5/8/2008	Forty-Eight (48) in 16 Yellow Cans in Property Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Deliverable 2.1	Twenty-eight (28) Functionally Tested Analog Board 0 Identity Modules	5/8/2008	Sixteen (16) in 16 Yellow Cans in Property Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Deliverable 2.2	Sixteen (16) Functionally Tested Analog Board 1 Identity Modules	5/8/2008	All sixteen (16) in 16 Yellow Cans in Property
Task 1 Deliverable 2.3	Sixteen (16) Functionally Tested Analog Board 2 Identity Modules	5/8/2008	All sixteen (16) in 16 Yellow Cans in Property
Task 1 Deliverable 3	Twenty-eight (28) Functionally Tested Communications Boards	5/8/2008	Sixteen (16) in 16 Yellow Cans in Property Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Deliverable 4	Twenty-eight (28) Functionally Tested Main Controller Boards	5/8/2008	Sixteen (16) in 16 Yellow Cans in Property Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Deliverable 5	Twenty-eight (28) Functionally Tested Patch Panel Boards	5/8/2008	Sixteen (16) in 16 Yellow Cans in Property Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Deliverable 6	Sixteen (16) Functionally Tested Serial Boards	5/8/2008	All sixteen (16) in 16 Yellow Cans in Property
Task 1 Deliverable 7	(a) Eight (8) Green-Tag Tested Yellow AMPS Units	6/30/2008	Green-Tagged in Property
	(b) Eight (8) Green-Tag Tested Yellow AMPS Units	6/30/2008	
Task 1 Deliverable 8	(a) Four (4) Functionally Tested TAO Board Stacks	5/8/2008	Tested in Property
	(b) Eight (8) Functionally Tested	5/8/2008	

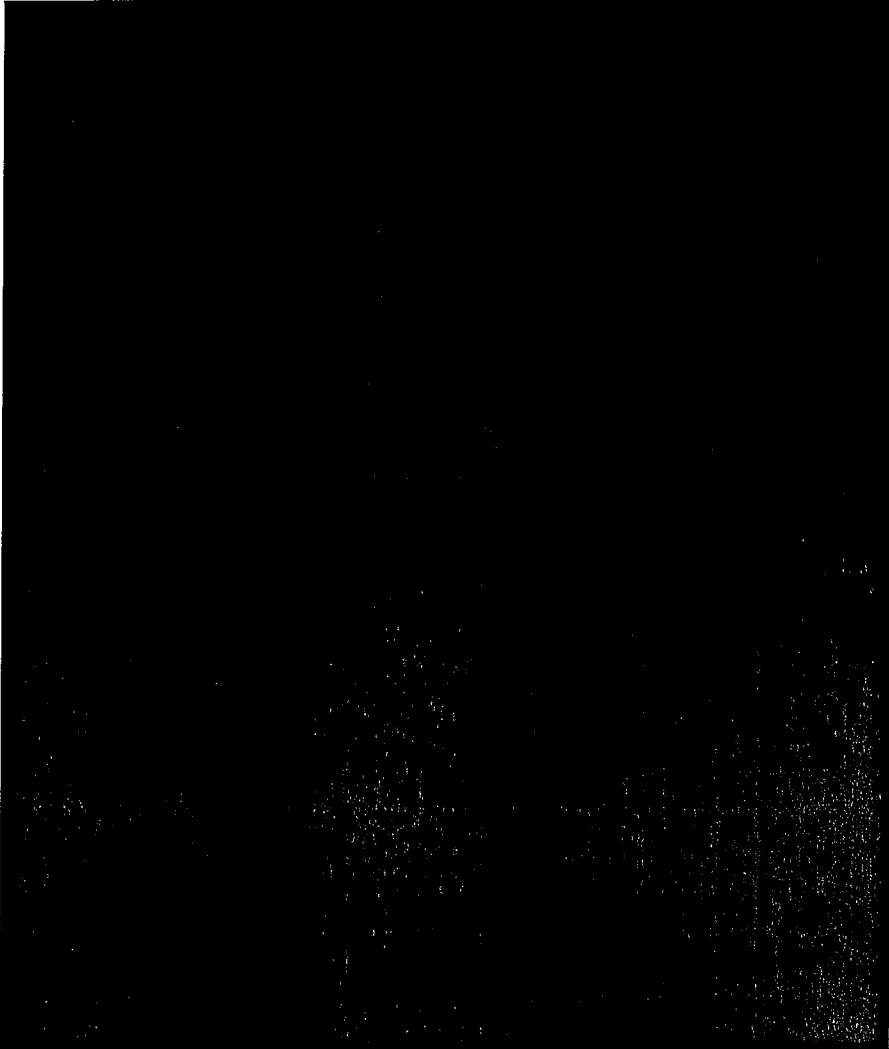
Document Number:	TMP-15
Version Number:	3 – Change 2
Issue Date:	4/15/2008

Deliverables/Submittals		Due Date	Acceptance Criteria
	TAO Board Stacks		
Task 1 Additional Deliverable	(a) Twelve (12) Functionally Tested Power Boards	5/8/2008	Sixteen (16) in 16 Yellow Cans in Property
	(b) Sixteen (16) Functionally Tested Power Boards	6/4/2008	Twelve (12) in 12 TAO Board Stacks in Property
Task 1 Additional Deliverable	Four-Hundred Twenty (420) Functionally Tested Stacker Boards	5/8/2008	One Hundred Ninety Two (192) in 16 Yellow Cans in Property One Hundred Forty-Four (144) in 12 TAO Board Stacks in Property Eighty Four (84) spares in Property
AMPS External Compass Daughter Board Fabrication			
Task 2 Deliverable 1	Thirty-two (32) Functionally Tested External Compass Daughter Boards	5/8/2008	Tested in Property
AMPS Sparton Compass Procurement			
Task 3 Deliverable 1	Twelve (12) Sparton Compasses	11/19/2007	Green-Tagged in Property
Task 3 Additional Deliverable	Updated/Verified Sparton Compass Setup Procedure	11/26/2007	Submitted to CMO

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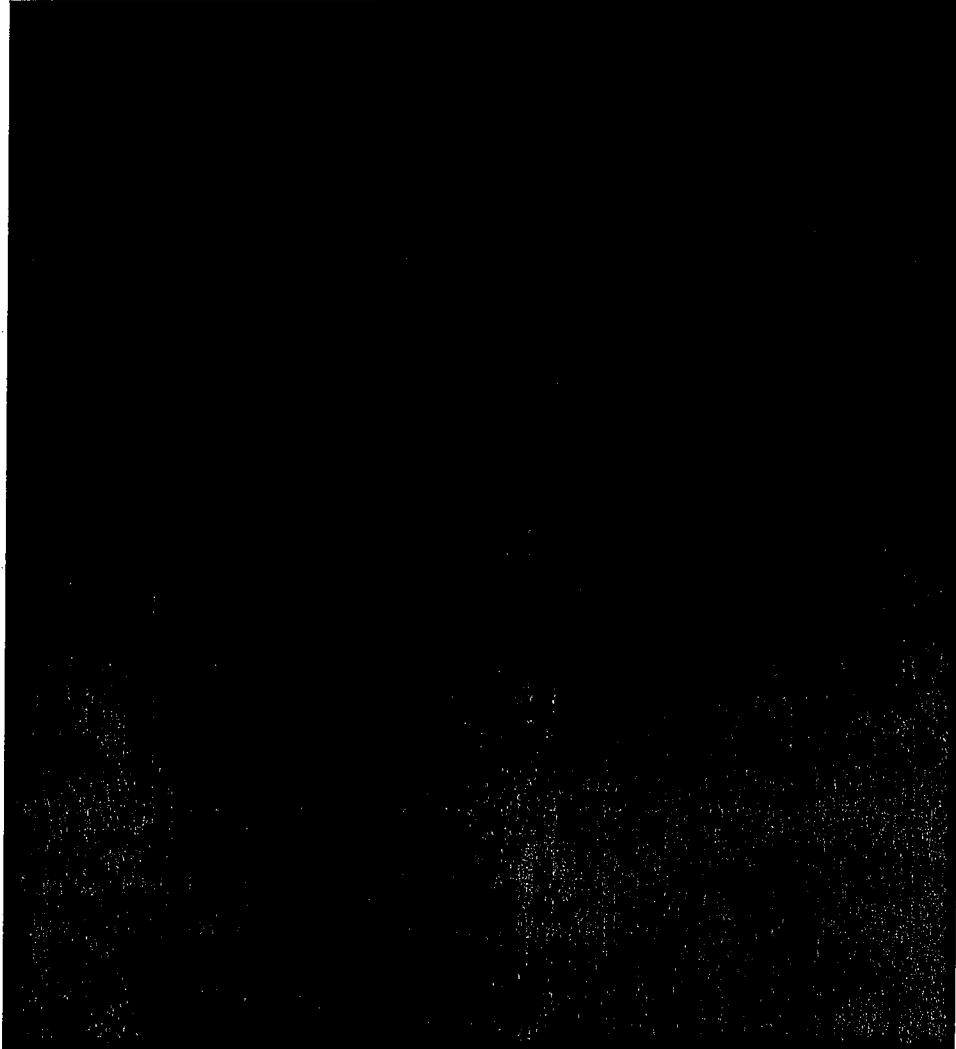
TASK ORDER #15
Engineering Design, Testing, & DQA Support for AIS for Deep Ocean Buoys
POP: 07/01/05 -06/30/06

CONTRACT YEAR 1
DIRECT LABOR HOURS



TASK ORDER #15
Engineering Design, Testing, & DQA Support for AIS for Deep Ocean Buoys
POP: 07/01/006 -03/31/07

CONTRACT YEAR 2
DIRECT LABOR HOURS



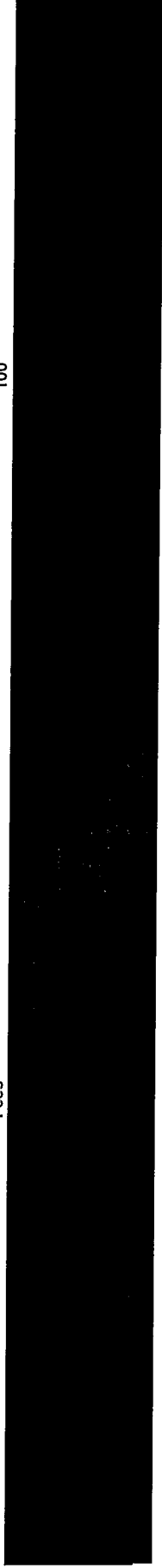
Task Order No.

#15

From: 7/1/2005
To: 6/30/2006

Travel

From	To	Purpose	Conference/Training Fees	Airfare	# of Trips	No. of People Per Trip	Days (Per trip)	Nights (Per Trip)	No. of Cars	POV mileage/RT	Meal Rate	Total	Conference/Training Totals
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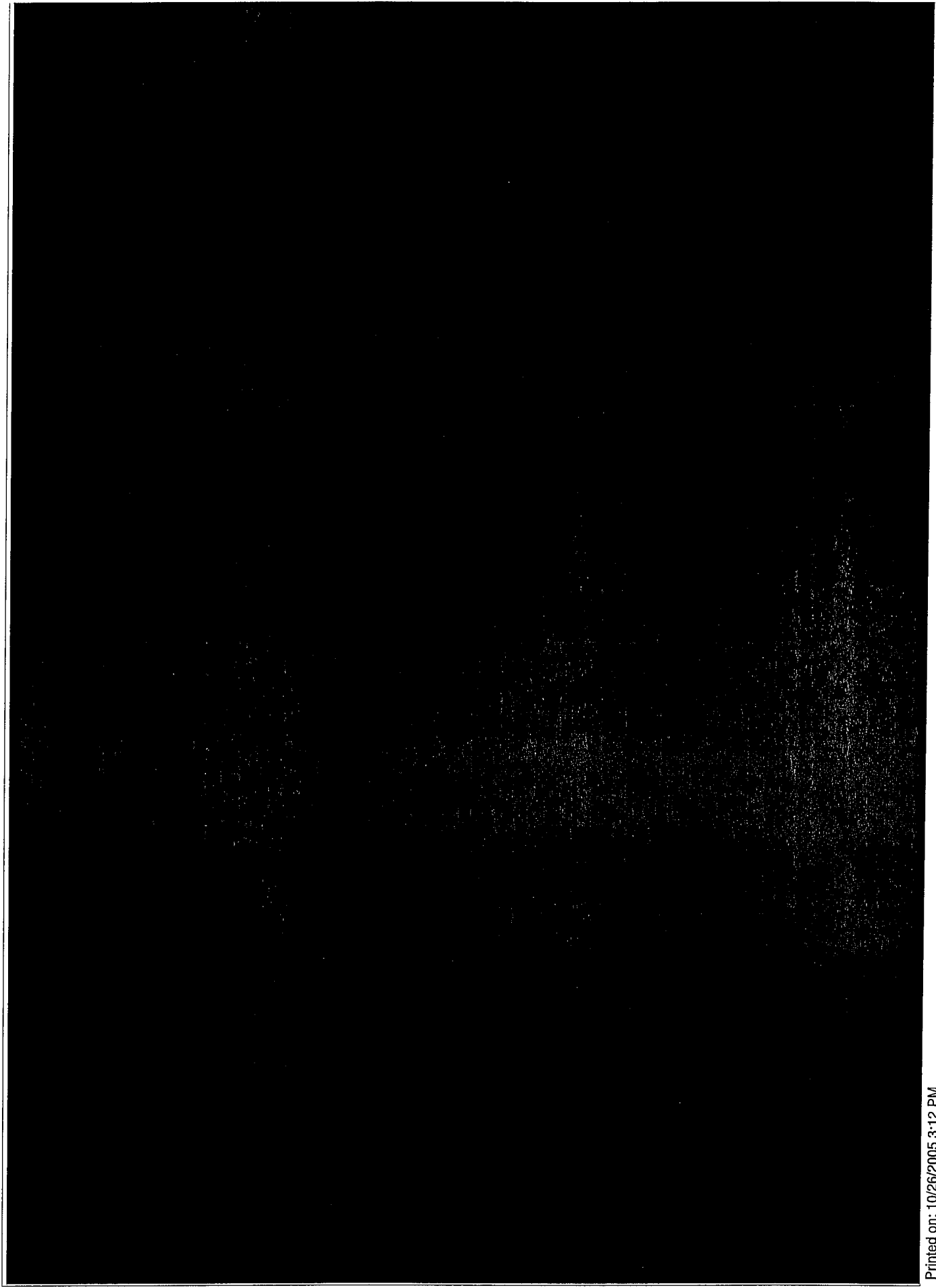
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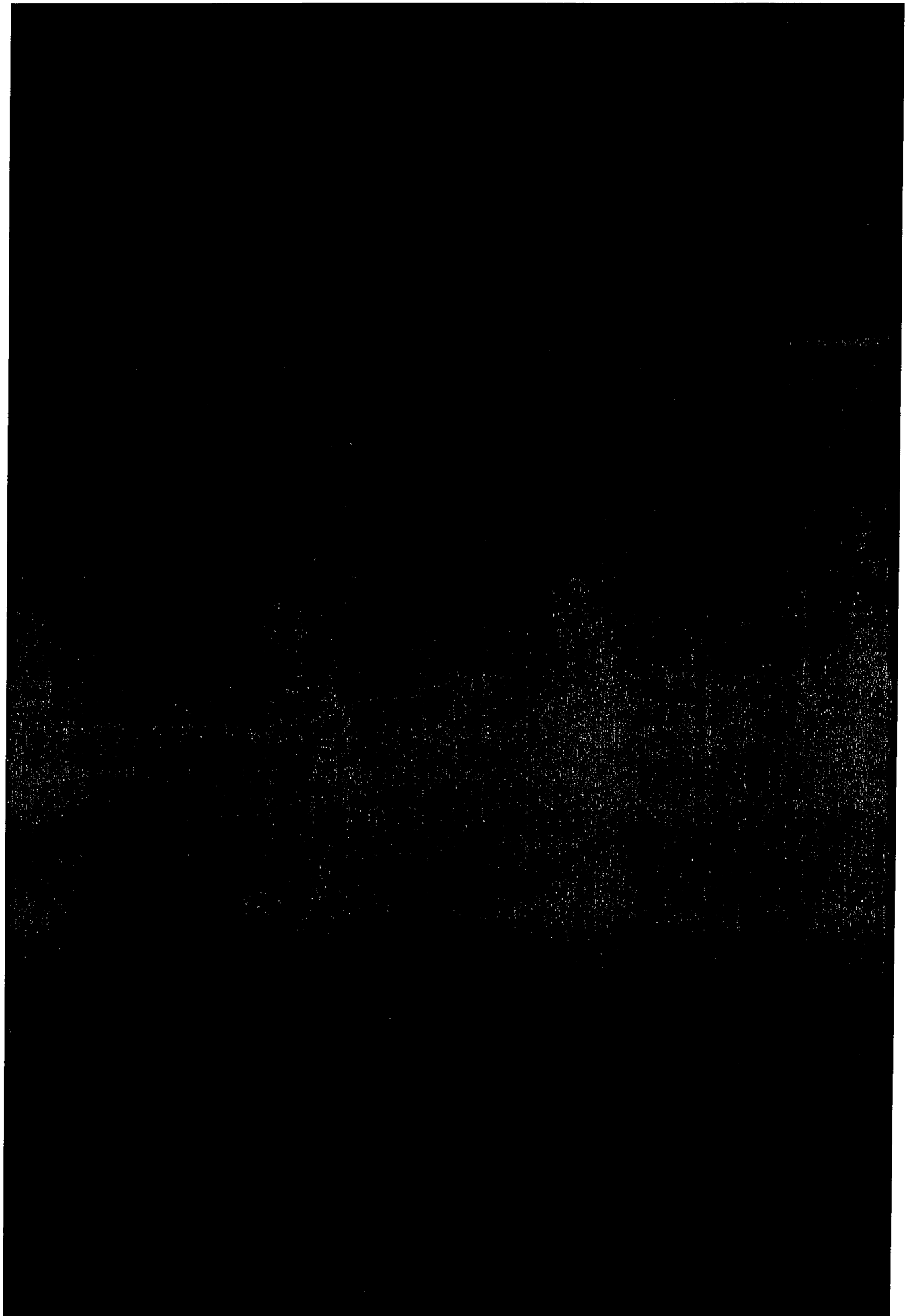
From: 7/1/2006
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Travel

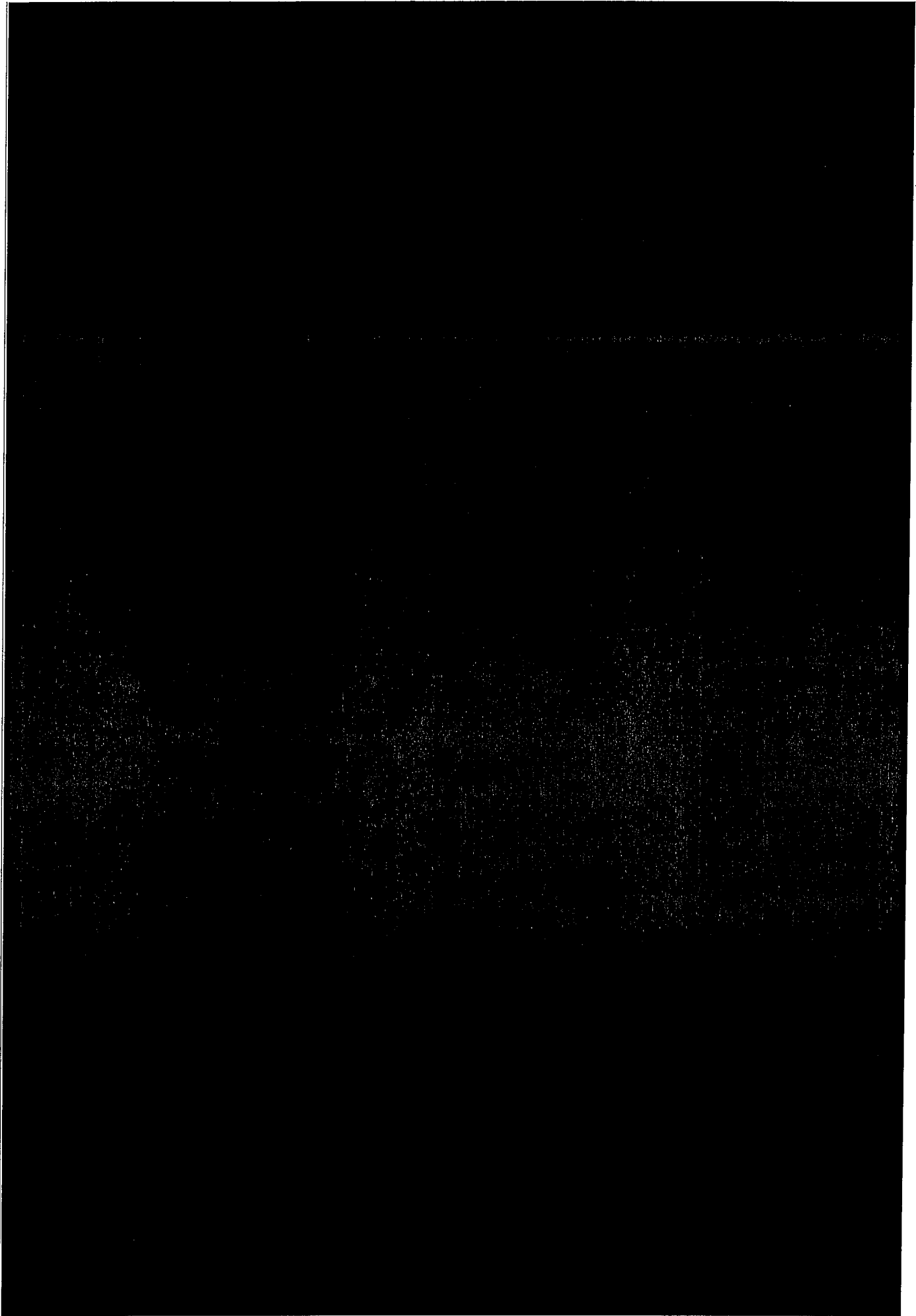
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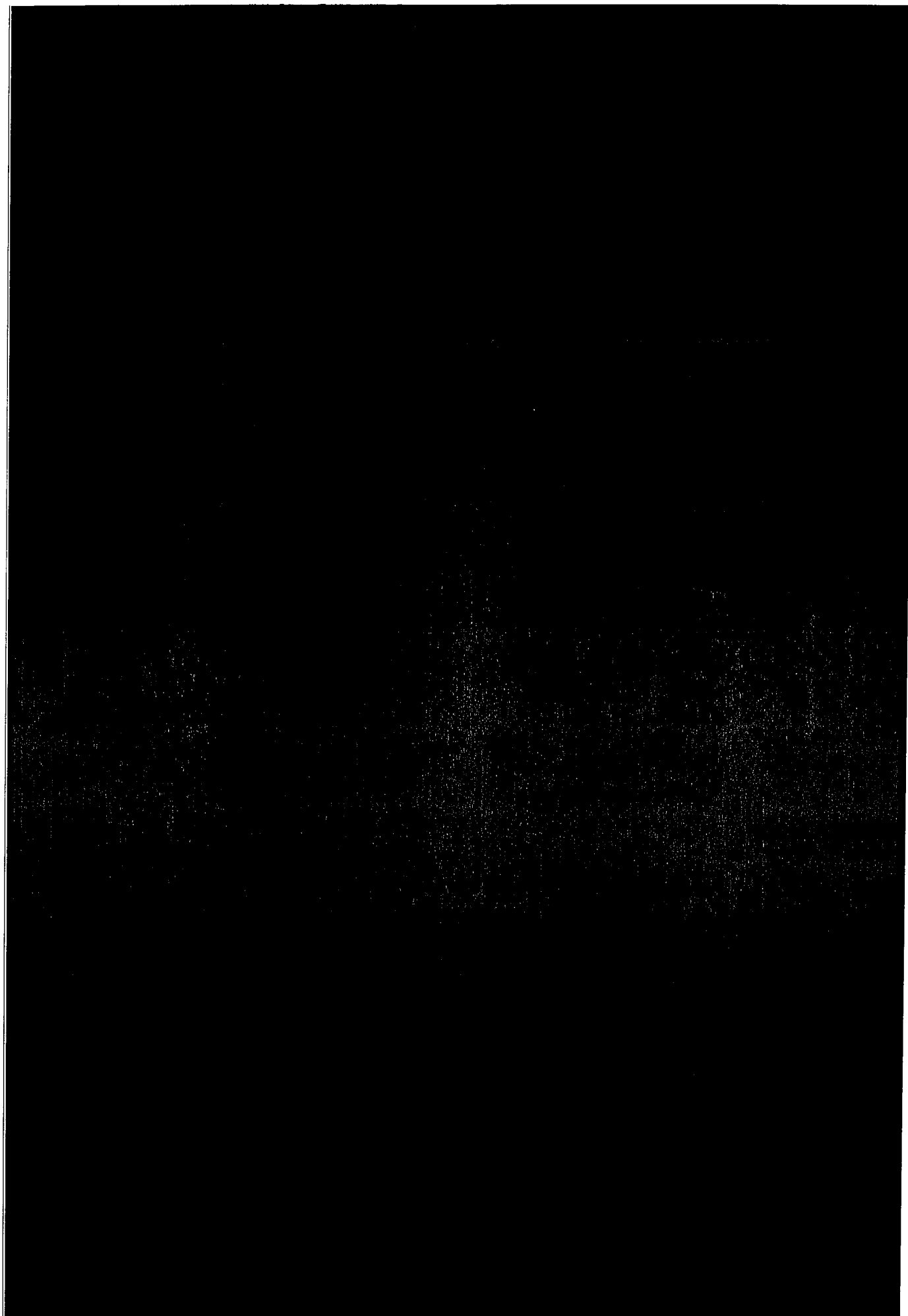






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ID	Task Name	D'able	Work	Start	Finish	Qtr 4, 200 Oct	Qtr 1, 200 Jan	Qtr 2, 200 Mar	Qtr 3, 200 Jun	Qtr 4, 200 Sep	Qtr 1, 200 Dec	Qtr 2, 200 Feb	Qtr 3, 200 May	Qtr 4, 200 Aug	Qtr 1, 200 Nov
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Task Progress Milestone

Summary Rolled Up Task Rolled Up Milestone

Rolled Up Progress Split External Tasks

Project Summary Group By Summary Deadline

Page 1

ID	Task Name	Task	Work	Start	Finish	Qtr 4, 200 Oct	Qtr 1, 200 Jan	Qtr 2, 200 Mar	Qtr 3, 200 Jun	Qtr 4, 200 Oct	Qtr 1, 200 Jan	Qtr 2, 200 Mar	Qtr 3, 200 Jun	Qtr 4, 200 Oct
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External Tasks

Rolled Up Progress

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External Tasks

Project Summary

Group By Summary

Deadline

Project Summary

Group By Summary

Deadline

Project: \\B1100-Is02(Common)\WBS\F

Page 2

ID	Task Name	Dable	Work	Start	Finish	Qtr 4, 200 Oct o	Qtr 1, 200 e Jan e Mar	Qtr 2, 200 a Jun	Qtr 3, 200 u l e	Qtr 4, 200 o c	Qtr 1, 200 e Jan e Mar	Qtr 2, 200 a Jun	Qtr 3, 200 u l e	Qtr 4, 200 o c
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Task

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External Tasks

Project Summary

Group By Summary

Deadline

Project: \\B1100-iso2\Common\WBS\F

Page 3

ID	Task Name	D'able	Work	Start	Finish	Qtr 4, 200 Oct	Qtr 1, 200 Jan	Qtr 2, 200 Apr	Qtr 3, 200 Jul	Qtr 4, 200 Oct	Qtr 1, 200 Jan	Qtr 2, 200 Apr	Qtr 3, 200 Jul	Qtr 4, 200 Oct
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Split

External Tasks

Project Summary

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